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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Basiji et al. Attorney Docket No: BIOL0029
Serial No: 09/976,238 Group Art Unit: 1645
Filed: October, 12, 2001 Examiner:
Title: METHODS FOR SYNTHESIZING REPORTER LABELED BEADS

PRELIMINARY AMENDMENT

Bellevue, Washington 98004

June 25, 2002

TO THE COMMISSIONER OF PATENTS AND TRADEMARKS:

Please amend the above-identified patent application as noted below in the clean and marked-up version of the amendments.

The amendment is being filed to add additional claims and amend Claims 3 and 6. A clean version of the amendments is shown below; a "marked-up" copy of the amendments is attached at the end of this amendment.

CLEAN VERSION OF THE AMENDMENTS

AMENDMENT TO THE CLAIMS

Amendment to the Claims

In the Claims:

Please amend Claims 3 and 6 as follows:

3. (Amended) A method of constructing a library of uniquely identifiable reporters suitable for labeling beads to be used to generate a bead library, said method comprising the steps of:

(a) providing a plurality of singly labeled micro-particles, each singly labeled micro-particle comprising a uniquely identifiable characteristic;

(b) determining a number of unique reporters required to completely encode a desired bead library, based on the uniquely identifiable characteristics of said plurality of singly labeled micro-particles;

(c) providing a plurality of separate reaction vessels, including one reaction vessel for each unique reporter signature required;

(d) apportioning said singly labeled micro-particles among the plurality of reaction vessels, such that each reaction vessel contains at least one singly labeled micro-particle required to generate a unique reporter signature associated with that reaction vessel;

(e) for each reaction vessel requiring additional singly labeled micro-particles to generate a unique reporter signature associated with that reaction vessel, adding appropriate singly labeled micro-particles having a complementary chemistry until substantially all singly labeled micro-particles in that reaction vessel have combined;

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02 FC:202

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